

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A radio frequency transmitter integrated into a vehicle interior element and configured to send radio frequency messages to activate a remote system, wherein each message includes an encrypted rolling value, wherein the transmitter is configured to send at least two of the messages having encrypted rolling values in response to a single user input, the encrypted rolling values being from a sequence of rolling values, wherein the encrypted rolling values of the at least two messages are sequential values.
2. (Original) The radio frequency transmitter of Claim 1, wherein each message includes a transmitter identifier.
3. (Original) The radio frequency transmitter of Claim 1, configured to send the at least two messages during a training operation.
4. (Original) The radio frequency transmitter of Claim 3, configured to send at least three messages having sequential encrypted rolling values in response to the single user input.
5. (Original) The radio frequency transmitter of Claim 1, configured to send the at least two messages each of the first N times the single user input is actuated, wherein N is at least two, and thereafter to send one of the messages having the next encrypted counter value in the sequence in response to a single user input.
6. (Original) The radio frequency transmitter of Claim 1, wherein the transmitter is configurable by a user to activate one or more of a plurality of different remote systems using different radio frequency messages.

7. (Original) The radio frequency transmitter of Claim 6, configured to identify at least one of the plurality of different remote systems based on a radio frequency signal received from an original transmitter associated with the at least one remote system.

8. (Cancelled)

9. (Original) The radio frequency transmitter of Claim 6, configured to identify at least one of the plurality of different remote systems based on a user input.

10. (Original) The radio frequency transmitter of Claim 1, configured to control a garage door opener.

11. (Cancelled)

12. (Original) The radio frequency transmitter of Claim 1, configured to send the two messages sequentially.

13-15. (Cancelled)

16. (Previously Presented) A method of providing a counter value and a transmitter identifier to a receiver configured to control a system, comprising:

in a training mode, receiving a single user input;

in response to the single user input, transmitting a plurality of sequential encrypted counter values to the receiver; and

in an operating mode, transmitting a next sequential encrypted counter value in response to a user input.

17. (Original) The method of Claim 16, further comprising identifying the type of receiver.

18. (Original) The method of Claim 17, wherein the type of receiver is identified based on a radio frequency signal received from an original transmitter associated with the receiver.

19-20. (Cancelled)

21. (Previously Presented) The radio frequency transmitter of Claim 1, wherein the single user input is a button press.

22. (Previously Presented) The method of claim 17, further comprising commanding the receiver to enter a training mode by pressing a button on the receiver.

23. (Previously Presented) The method of claim 22, wherein, after the receiver is in the training mode, transmitting at least three sequential encrypted counter values to the receiver in response to the single user input.

24. (Previously Presented) The method of claim 16, wherein the plurality of sequential encrypted counter values causes the receiver to open a garage door.

25. (Previously Presented) A radio frequency remote control system, comprising:
a transmitter integrated into a vehicle interior element and configured to send at least two messages in response to one user input, wherein the two messages are sequential transmission of a rolling-code system; and
a receiver configured to synchronize with the transmitter based on the two messages.

26. (Previously Presented) The radio frequency remote control system of claim 25, wherein the receiver is configured to activate a garage door opener to move the garage door in response to the two messages.

27. (Previously Presented) The radio frequency remote control system of claim 25, wherein the transmitter is configured to send the at least two messages each of the first N times

the user input is actuated, wherein N is at least two, and thereafter to send one of the messages having a next encrypted counter value in a sequence in response to a single user input.

28. (Previously Presented) The radio frequency remote control system of claim 25, wherein the transmitter is configurable by a user to activate one or more of a plurality of different receivers using different radio frequency messages.

29. (Previously Presented) In a method of training a transmitter to a receiver in a rolling code-based radio frequency control system, the improvement comprising:

in response to a single user input, using a rolling code encryption algorithm to provide at least two sequential counter values and transmitting the at least two sequential counter values to the receiver.

30. (Previously Presented) The method of claim 29, further comprising sending the same transmitter identifier with each of the at least two sequential counter values, wherein the at least two sequential counter values cause the receiver to open a garage door.